

## Analysis Frameworks

CMPUT 620 — Static Program Analysis Karim Ali

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# Analysis Frameworks

- Soot
- WALA
- Averroes
- Soufflé
- Flix

#### Soot

- https://github.com/Sable/soot
- Extensive set of tutorials @ <a href="https://github.com/Sable/soot/wiki/Tutorials">https://github.com/Sable/soot/wiki/Tutorials</a>
- Lots of documentation in the wiki @ <a href="https://github.com/Sable/soot/wiki">https://github.com/Sable/soot/wiki</a>
- Hands-on: call graphs

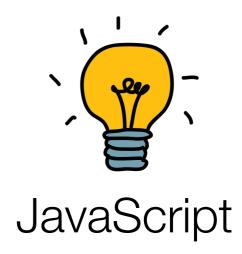
#### WALA

- http://wala.sourceforge.net/wiki/index.php/
  Main\_Page
- Not many tutorials, or documentation
- But it's highly tuned for performance!
- Hands-on: call graphs

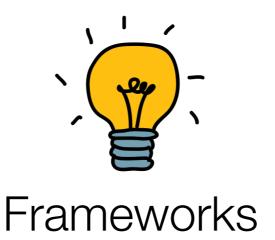
#### Averroes

- https://github.com/karimhamdanali/averroes
- Tutorial: <a href="http://karimali.ca/averroes-tutorial">http://karimali.ca/averroes-tutorial</a>
- Hands-on: partial call graph analysis compared to Soot & WALA





# AV CURROCUS



#### Flix

- http://flix.github.io
- http://flix.github.io/doc/getting-started.html
- Hands-on: constant propagation

## On Thursday

- Tricorder by Mona
- VASCO by Marcus
- Infer by Taylor